

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-083-24
BUCKHORN QUADRANGLE
88 KENTUCKY
N3715-W8315/15
DIAGRAM NJ 17-7
JENKINS

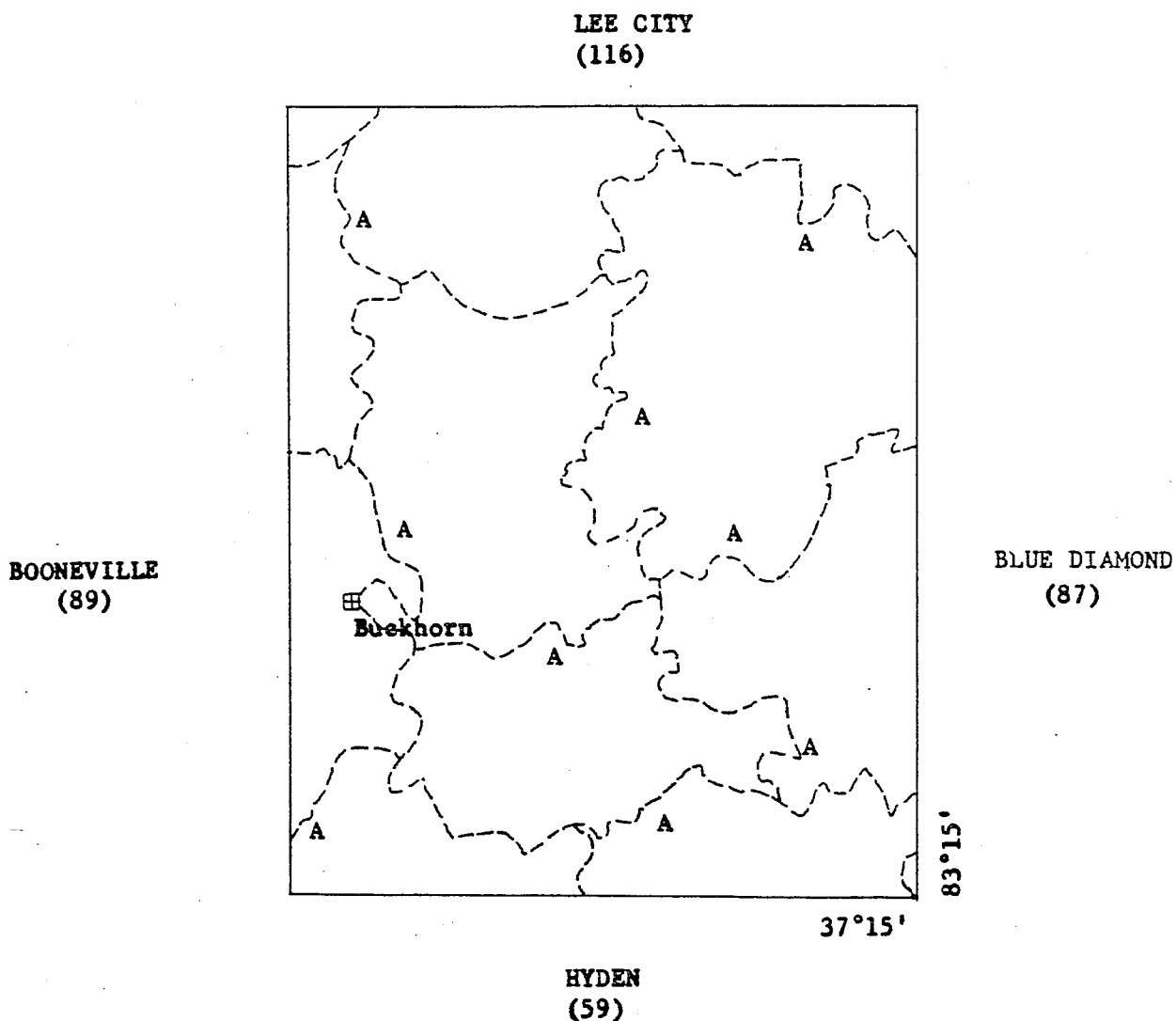
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Breathitt, Leslie, and
Perry Counties, Kentucky

Final adjustment of 1973

Edition of 6/19/74

PR: WSM/sws



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370832

88 KENTUCKY
BUCKHORN QUADRANGLE

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N3715-W8315/15

INDEX OR PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
694	4	769	3
704	4	771	3
710	4	786	3
720	4	792	4
748	4	803	3
751	3	808	3
757	3	841 (841.033)	3
763	3	841 (841.245)	3

ISOLATED BENCH MARKS (By S. R. Archer, 1911; Book A8755)

Feet

- Lost Creek; in top of E. abutment at N. end of steel hwy. bridge over Troublesome Creek; standard tablet stamped "751" (Reported destroyed, 1953) 750.611
- Clayhole, 1.4 mi SE. of; at mouth of Russell Creek; 200 ft W. of creek; on N. side of rd.; at private rd. N. to house; in rock cliff; standard tablet stamped "763" (Reported destroyed, 1953) 763.205
- Lost Creek, 3.4 mi SE. of; 160 ft N. of mouth of Leatherwood Creek; on W. bank of Lost Creek; in foundation stone at SE. corner of Tom Watt's store; standard tablet stamped "769" (Reported destroyed, 1953) 768.929
- Ned; in stone support to porch at SW. corner of residence of Jerry Combs (postmaster); 150 ft N. of mouth of Cockrell Fork; on E. side of rd.; standard tablet stamped "808" (Reported destroyed, 1953) 808.469
- Ned, 2.8 mi SE. of; 1.6 mi SE. of county line between Breathitt and Perry Counties; at bend in rd. and creek to E.; 0.2 mi W. of Elias Mullen's milldam; 75 ft E. of mouth of small stream from S.; in front of B. W. Watt's residence; S. side of Lost Creek; in face of rock ledge; standard tablet stamped "841" (Reported not found, 1953) 841.245
- Yerkes, 4 mi SE. of; 0.6 mi NW. of mouth of First Creek; at bend in river to N.; opposite tunnel of Louisville & Nashville RR.; in front of James Stacy's residence and general store; on W. bank of river; on E. side of rd.; in face of large rock on roadside; standard tablet stamped "841" 841.033
- Yerkes, North Fork of Kentucky River; at Louisville & Nashville RR. stone culvert; at mouth of Forked Mouth Creek; 300 ft N. of A. D. Campbell & Sons store; in bridge seat at NE. corner of bridge; standard tablet stamped "803" (Reported destroyed, 1936) 802.609
- Confluence, 1.2 mi NE. of; on Middle Fork of Kentucky River; 450 ft S. of mouth of Trace Fork; 0.25 mi N. of mouth of Grassy Creek; on W. bank of Middle Fork at water's edge; in top of large sandstone rock; standard tablet stamped "786" (Reported not found, 1953) 786.110
- Shoal, 6.3 mi NE. of; on W. bank of Middle Fork of Kentucky River; 0.4 mi S. of mouth of Langdons Branch; in W. face of large sandstone rock; standard tablet stamped "771" 771.194-
- Shoal, 0.3 mi N. of; opposite mouth of Elkhorn Creek; on N. bank of Middle Fork of Kentucky River; on S. side of public rd.; at water's edge; in top of large rock; standard tablet stamped "757" (Tied by NGS, 1951) 756.583

ISOLATED BENCH MARKS (Cont'd.)Feet

Buckhorn, 3.7 mi SE. of; 360 ft N. of Jessie Bowling's residence; 60 ft N. of barn; on E. side of rd.; 0.3 mi N. of bend in river to N.; in side of large rock; standard tablet stamped "792" (Reported destroyed, 1952)	792.321
Buckhorn, 0.5 mi E. of center of town; at mouth of Squabble Creek; 250 ft W. of Middle Fork of Kentucky River at ford; on S. side of rd.; in stone foundation at NE. corner of Rebecca Riley's house; standard tablet stamped "748" (Reported destroyed, 1961)	748.185
Crockettsville; 400 ft N. of mouth of Longs Creek; on Middle Fork of Kentucky River; 150 ft N. of mill; on E. bank of river; opposite sand bar; in top of rock ledge 4 ft above water level; standard stamped "710" (Reported destroyed, 1954)	709.889
Canoe, 3.2 mi S. of; W. of mouth of Turner Branch; on N. bank of river; on N. side of rd.; W. of Joe Deaton's residence; in top of rock; standard tablet stamped "720" (Reported not found, 1954)	719.616
Canoe, 2.7 mi NW. of; on N. bank of Middle Fork of Kentucky River; at bend to W.; 100 ft E. of mouth of Mill Creek; on S. side of public rd.; in top of sandstone ledge; standard tablet stamped "694" (Reported not found, 1954)	693.888
Juan, 0.8 mi N. of; on N. bank W. of bend to W. in Middle Fork of Kentucky River; W. of stream crossing; on N. side of rd.; in rd. face of large sandstone rock; standard tablet stamped "704" (Reported not found, 1954)	703.914

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
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88 KENTUCKY
N3715-W8315/15
DIAGRAM NJ-17-7
JENKINS

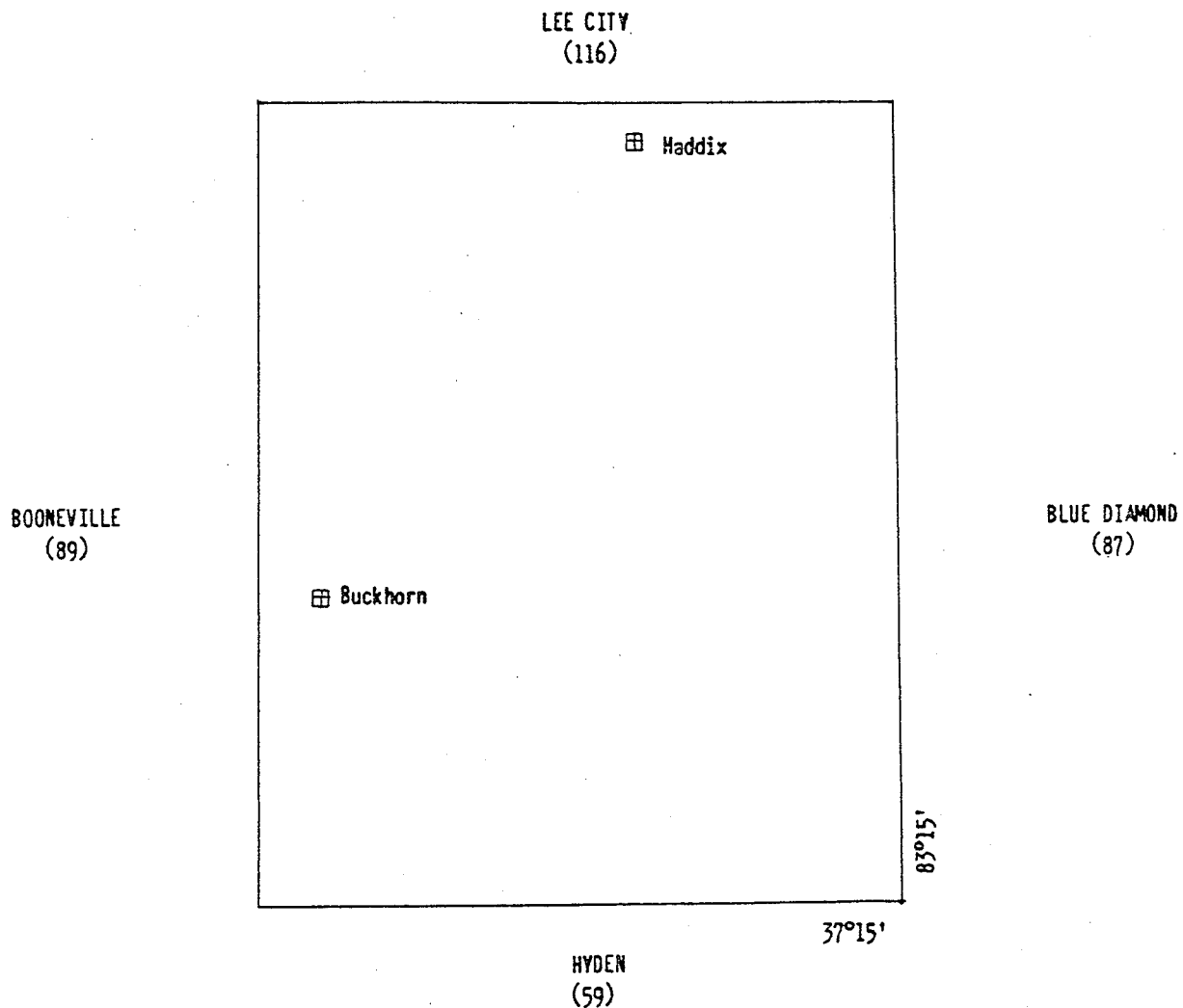
Breathitt, Leslie, and
Perry Counties

Edition of 10/22/76

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBsolete and is included in this list for the purpose of identification only.

88 KENTUCKY
BUCKHORN QUADRANGLE

37-083-24
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INDEX OF PERMANENT MARKS

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H 170 1950 715.819	3
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Y 169 1950 747.649	4
Z 169 1950 737.672	4
J 170 1950 719.300	3
K 170 1950 747.994	3
L 170 1950 727.738	4
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Q 170 1950 760.510	4
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A 172 1950 812.059	6
C 172 1950 733.437	5
D 172 1950 749.729	5
E 172 1950 757.049	5
R 173 1950 758.578	5
Y 173 1950 768.693	5
Y 188 1950 1053.489	6
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88 KENTUCKY
BUCKHORN QUADRANGLE

37-083-24
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By C. W. Haas, 1952; Book AS 88

Rowdy, 0.2 mi W. of post office, along dirt rd., thence 0.4 mi S., thence 1.9 mi W., thence 1.1 mi NW.; 200 ft S. of residence and store of Jakie Neace; 45 ft S. of N. end of concrete retaining wall along E. side of frame house; 9 ft NE. of plum tree; 1 ft W. of retaining wall; in concrete wall support; standard tablet stamped "I 59 CWH 1952"

X = 2,723,319	Y = 402,592	37 24 46.52	83 15 33.35
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By I. W. Cayce, 1949; Book AH 142

Shoulderblade; 150 ft SE. of grammar school, along State Highway 315; at intersection of State Highways 130 and 315; 40 ft N. of centerline of Highway 130; 12 ft SW. of centerline of Highway 315; in stone mounting stile; standard tablet stamped "TI 29 TWC 1949" (Reported destroyed, 1957)

X = 2,662,126	Y = 431,783	37 29 50.33	83 28 02.88
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Turkey, 2.6 mi NE. of Terry Fork School, along State Highway 30; 0.1 mi NE. of junction of State Highway 315; 13 ft NW. of centerline of hwy.; 1 ft NW. of concrete banister; in NW. end of NE. concrete abutment of steel bridge over Middle Fork of Kentucky River; USED standard disk stamped "H 170 1950 715.819"

X = 2,658,525	Y = 428,144	37 29 15.22	83 28 48.63
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Shoulderblade, 1.8 mi SW. of grammar school, along State Highway 30; 2.0 mi NE. of Terry Fork School; 15 ft S. of centerline of hwy.; 4 ft W. of last (E.) guardrail post; in fill at top of deep mountain cut; in concrete post; standard tablet stamped "TI 30 TWC 1949 975.621"

X = 2,655,775	Y = 425,912	37 28 53.81	83 29 23.41
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By D. W. Pinkston, 1951; Book AH 224

Turkey, 2.6 mi NE. of Terry Fork School, along State Highway 30, thence 1.1 mi S. along State Highway 315; 27 ft W. of, and 5 ft higher than centerline of hwy.; 204 ft S. of pipe culvert with concrete headwalls; 92 ft N. of W. end of pipe culvert with concrete headwalls; 86 ft N. of offset in layer of rocks; 21 ft S. of offset in layer of rocks; in smooth E. face of long 7-ft thick layer of solid rock in cut bank; NGS standard disk stamped "J 170 1950 719.300"

X = 2,657,875	Y = 422,306	37 28 17.67	83 28 58.43
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Turkey, 2.6 mi NE. of Terry Fork School, along State Highway 30, thence 2.0 mi S. along State Highway 315; 30 ft W. of centerline of hwy.; at N. end of 8-ft cut; at S. end of fill for creek bed; 34 ft E. of E. corner of small cemetery; 4 ft S. of S. gatepost; 1 ft E. of fence line; in concrete post; NGS standard disk stamped "K 170 1950 747.994"

X = 2,659,533	Y = 418,776	37 27 42.39	83 28 38.93
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STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Sebastian Branch, 1.2 mi N. of post office, along State Highway 315; 0.5 mi NE. of Spicer Cemetery; at junction of trail N. to Canoe by way of footbridge over Middle Fork of Kentucky River; 48 ft E. of centerline of hwy.; 18 ft E. of centerline of trail N.; on outside of curve with tangents NW. and SW.; 99 ft NE. of, and across hwy. from N. end of W. headwall of pipe culvert; in concrete post; MGS standard disk stamped "R 170 1950 734.638"

X = 2,666,025 Y = 411,841 37 26 32.29 83 27 20.53

Sebastian Branch, 0.6 mi N. of post office, along State Highway 315; at Spicer Cemetery; 38 ft SE. of centerline of hwy.; 56 ft SW. of N. cemetery fence corner; 24 ft SW. of cemetery gate; 25 ft NW. of NW. tombstone of Curtis and Louisa Spicer; 1 ft NW. of fenceline; in concrete post; MGS standard disk stamped "Q 170 1950 760.510"

X = 2,664,216 Y = 410,292 37 26 17.41 83 27 43.41

Sebastian Branch, 1.2 mi S. of post office, along State Highway 315; at sharp curve in hwy. with tangents SW. and NW.; at junction of rd. NE.; 70 ft NE. of centerline of main rd. at rd. to farmhouse; 39 ft N. of 12-in. poplar tree; 36 ft NW. of 20-in. beech tree; in concrete post; MGS standard disk stamped "N 170 1950" (Reported buried 2 ft deep, 1954)

X = 2,663,615 Y = 405,991 37 25 35.04 83 27 52.16

Sebastian Branch, 2.0 mi S. of post office, along State Highway 315; 16 ft NW. of centerline of hwy.; 120 ft NE. of NE. end of NW. headwall of pipe culvert; 4 ft NW. of center of ditch; in slanting top of lower part of rock outcrop in ditch bank; MGS standard disk stamped "M 170 1950" (Reported destroyed, 1954)

X = 2,661,633 Y = 402,285 37 24 58.88 83 28 17.82

Crockettsville, 1.3 mi N. of post office, along State Highway 315; 29 ft N. and 16 ft W. of centerline of hwy. at drain crossing; 21 ft S. of centerline of hwy.; 33 ft W. of center of S. end of culvert with concrete headwall and wingwalls; in concrete post; MGS standard disk stamped "L 170 1950 727.738"

X = 2,661,861 Y = 399,468 37 24 30.99 83 28 15.84

Crockettsville, 0.5 mi N. of post office, along State Highway 315; 25 ft NW. of centerline of hwy.; 15 ft N. of centerline of rd. W.; at SW. end of cut; 40 ft SW. of SW. end of NW. concrete headwall of pipe culvert; 1 ft SW. of SW. edge of flat layer of rock; in concrete post; MGS standard disk stamped "Z 169 1950 737.672"

X = 2,661,623 Y = 397,328 37 24 09.88 83 28 19.42

Crockettsville, 0.4 mi S. of post office, along State Highway 315; 0.1 mi N. of junction of graveled rd. S. to ford across Middle Fork of Kentucky River; 12 ft W. of centerline of hwy.; in S. end of W. concrete headwall of culvert; MGS standard disk stamped "Y 169 1950 747.649"

X = 2,660,107 Y = 392,886 37 23 26.34 83 28 39.54

STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Crockettsville, 0.6 mi S. of post office, along State Highway 315, thence 0.8 mi S. along graveled rd. that fords Middle Fork of Kentucky River; 1.0 mi N. of Johnson Baptist Church; 0.7 mi S. of ford; 0.3 mi NW. of farmhouse; 33 ft N. of centerline of rd.; 24 ft N. of wire fence; 3 ft SE. of 1-ft outlined triangle cut in S. face of 6-ft high rounded rock embedded in foot of hill; in SE. end of rock; NGS standard disk stamped "C 172 1950 733.437"

X = 2,662,717	Y = 389,687	37 22 54.10	83 28 08.16
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Crockettsville, 0.6 mi S. of post office, along State Highway 315, thence 1.8 mi S. along graveled rd. which fords Middle Fork of Kentucky River; 0.2 mi NW. of bridge across Cam Johnson Branch; 54 ft SW. of, and 7 ft lower than centerline of new rd.; 37 ft NW. of power pole; 29 ft E. of E. corner of Johnson Baptist Church; 20 ft E. of center of wall; 10 ft SW. of, and level with centerline of old roadbed; 2 ft NE. of churchyard fence; in concrete post; NGS standard disk stamped "D 172 1950 749.729"

X = 2,663,941	Y = 385,475	37 22 12.17	83 27 54.26
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Buckhorn, 3.3 mi N. of E. end of swinging bridge, along graveled rd. following right bank of Middle Fork of Kentucky River; 0.3 mi S. of Johnson School; 195 ft NW. of top of small rise in rd.; 18 ft NE. of centerline of rd.; 2 ft SW. of wire fence; in concrete post; NGS standard disk stamped "E 172 1950 757.049"

X = 2,664,707	Y = 379,755	37 21 15.45	83 27 46.49
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Buckhorn, at E. end of swinging bridge across Middle Fork of Kentucky River; 35 ft SE. of vertical S. steel beam supporting S. main cable of suspension bridge; 22 ft S. and 17 ft E. of junction of T-rd. at E. end of bridge; in face of rock cut; NGS standard disk stamped "Y 173 1950 768.693"

X = 2,663,225	Y = 376,833	37 20 46.92	83 28 05.71
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Buckhorn, 1.0 mi S. of E. end of swinging bridge, along small dirt rd. following E. bank of Middle Fork of Kentucky River; at junction of State Highway 28; 14 ft N. of centerline of Highway 28; in N. end of E. concrete abutment of 360-ft steel bridge over river; NGS standard disk stamped "R 173 1950 758.578" (Reported destroyed, 1961)

X = 2,664,172	Y = 372,846	37 20 07.28	83 27 55.18
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Buckhorn, 1.1 mi S. of, along State Highway 28 to Kentucky River Bridge, thence 2.3 mi SW. along Otter Creek Road; 100 ft NE. of residence of Harry McIntosh; 14 ft N. and 10 ft W. of centerline of rd. at drain S.; 5 ft N. and 48 ft W. of rail pen; in concrete post; standard tablet stamped "TT 10 DWP 1951"

X = 2,658,219	Y = 365,247	37 18 53.58	83 29 11.13
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Buckhorn, 1.1 mi S. of, along State Highway 28 to Kentucky River Bridge, thence 4.1 mi SW. along Otter Creek Road; 1.0 mi S. of Otter Creek School; in SW. corner of cleared field; 300 ft W. of barn; 39 ft S. and 10 ft E. of drain intersection; 3 ft E. of fenceline; under powerline; in concrete post; standard tablet stamped "TT 11 DWP 1951"

X = 2,655,681	Y = 358,858	37 17 51.03	83 29 44.42
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88 KENTUCKY
BUCKHORN QUADRANGLE

37-083-24
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STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Saul, 1.9 mi NE. of post office, along graveled rd. following Leatherwood Creek; 1.4 mi WSW. of ford across Middle Fork of Kentucky River and mouth of Leatherwood Creek; 4 ft S. and 12 ft W. of centerline of rd. at stream crossing; 12 ft NW. of centerline of graveled rd.; in SW. end of NW. concrete headwall of culvert; NGS standard disk stamped "A 172 1950 812.059"

X = 2,658,930

Y = 357,794

37 17 39.74

83 29 04.54

Saul, 1.1 mi NE. of post office, along rd.; 0.5 mi NE. of store of Mannon Couch; 0.1 mi S. of residence of Frank Berger; 0.1 mi SW. of ledge of rock locally known as Court House Cliff; 18 ft W. of centerline of rd.; 182 ft S. of W. end of pipe culvert; 27 ft N. of S. end of ledge; in face of outcropping rock ledge; NGS standard disk stamped "Z 188 1950 909.014" (Not found, 1961)

X = 2,657,640

Y = 354,020

37 17 02.74

83 29 21.61

Saul; at post office; 52 ft NW. of, and 8 ft higher than centerline of rd.; 20 ft S. of S. corner of log house; 18 ft NE. of N. corner of post office; in E. corner of flat rock outcrop; NGS standard disk stamped "Y 188 1950 1053.489"

X = 2,655,187

Y = 349,304

37 16 16.70

83 29 53.35